

# United States Patent and Trademark Office

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/775,972	02/10/2004	Robert A. Henderson	210121.455C21	1812
500	7590 11/18/2005		EXAMINER	
SEED INTE	LLECTUAL PROPERT	YAO, LEI		
701 FIFTH A	VE			
SUITE 6300			ART UNIT	PAPER NUMBER
SEATTLE, WA 98104-7092			1642	

DATE MAILED: 11/18/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/775,972	HENDERSON ET AL.
Office Action Summary	Examiner	Art Unit
	Lei Yao, Ph.D.	1642
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D/ - Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period v - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATIO 36(a). In no event, however, may a reply be ti will apply and will expire SIX (6) MONTHS from to cause the application to become ABANDON	N. imely filed  The mailing date of this communication.  ED (35 U.S.C. § 133).
Status		·
Responsive to communication(s) filed on <u>28 Secondary</u> This action is <b>FINAL</b> . 2b)⊠ This 3)□ Since this application is in condition for allower closed in accordance with the practice under Expression in the Expression in	action is non-final.  nce except for formal matters, pr	
Disposition of Claims		
4)  Claim(s) 1-11 is/are pending in the application.  4a) Of the above claim(s) is/are withdray  5)  Claim(s) is/are allowed.  6)  Claim(s) 8 is/are rejected.  7)  Claim(s) is/are objected to.  8)  Claim(s) are subject to restriction and/o	wn from consideration.	
Application Papers		
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Example 11.	epted or b) objected to by the drawing(s) be held in abeyance. So tion is required if the drawing(s) is old	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
<ul> <li>12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents</li> <li>2. Certified copies of the priority documents</li> <li>3. Copies of the certified copies of the priority application from the International Bureau</li> <li>* See the attached detailed Office action for a list</li> </ul>	s have been received. s have been received in Applica rity documents have been receiv u (PCT Rule 17.2(a)).	tion No ved in this National Stage
Attachment(s)	_	
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>5/4/05, 9/10/04</u>.</li> </ol>	4) ☐ Interview Summar Paper No(s)/Mail D 5) ☐ Notice of Informal 6) ☑ Other: <u>exhibit A</u> .	

Art Unit: 1642

#### **DETAILED ACTION**

### Election/Restrictions

Applicant's election of group III (claim 8) in the reply filed on 4/28/05is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

#### Information Disclosure Statement

The information disclosure statement (s) (IDS) submitted on 9/10/04 and 5/4/05 are/is considered by the examiner and initialed copies of the PTO-1449s are enclosed.

## **Priority**

The later-filed application must be an application for a patent for an invention which is also disclosed in the prior application (the parent or original nonprovisional application or provisional application); the disclosure of the invention in the parent application and in the later-filed application must be sufficient to comply with the requirements of the first paragraph of 35 U.S.C. 112. See *Transco Products, Inc. v. Performance Contracting, Inc.*, 38 F.3d 551, 32 USPQ2d 1077 (Fed. Cir. 1994).

Acknowledgement is made of applicant's claims to an earlier effective filing date through US non-provisional application, 09285479 ('479) filed 4/2/1999. Claim 8 of instant application is drawn to a method for stimulating an immune response in a patient, comprising administering to the patient a composition of antibody that specifically bind to a the polypeptide of SEQ ID NO: 161. Upon review of specification of the applications, it is noted that the 479 application does not provide adequate written description of administering a patient of composition comprising an antibody for SEQ ID NO: 161. Therefore, the claim 8 will have a priority date of 12/17/1999.

### Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

Application/Control Number: 10/775,972

Art Unit: 1642

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claim 8 is rejected under 35 U.S.C. 102(e) as being anticipated by Holroyd et al., (US Patent 6576434), or Pauli et al., (US Patent, 6309857) as evidenced by Abbas et al., (page 393, column 2, section antibodies, Cellular and Molecular Immunology, 4<sup>th</sup> edition, Published by W.B. Saunders Company, 2000).

Holroyd et al., disclose a pharmaceutical composition comprising an antibody to a protein, ICACC, which is 99.6% identical to the protein having amino acid sequence SEQ ID NO: 161 as evidenced by protein sequence search (see Exhibit A). Holroyd et al., disclose a method of administering antagonists of ICACC comprising antibody for the protein to treat a disease through induction of immune response in a individual (col 17, line 56-60, col 19, line 36-40, line 60-67 and col 20, line 1-5).

Pauli et al., disclose a pharmaceutical composition comprising an antibody to a protein specifically expressed in lung, which is 99.7% identical to the protein having amino acid sequence of SEQ ID NO: 161 as evidenced by protein sequence search (see Exhibit B). Pauli et al., disclose a method of administering to a patient a therapeutically effective amount of the composition comprising an antibody to prevent lung-metastatic tumor spreading (col 21-22, example 9).

Treating cancer with an antibody to a protein responsible for a tumor development is a widely used method in the art. It is well known that administration of any foreign substance including a polypeptide antibody for treating tumor will inherently stimulate an immune response that also includes killing tumor cells by activating complement or by antibody-dependent cell-mediated cytotoxicity, in which Fc receptor-bearing macrophage or NK cells mediated the killing (Abbas et al., page 393, column 2, section).

Art Unit: 1642

## Conclusion

No claims are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lei Yao, Ph.D. whose telephone number is 571-272-3112. The examiner can normally be reached on 8am-4.30pm Monday to Friday.

Any inquiry of a general nature, matching or file papers or relating to the status of this application or proceeding should be directed to Kim Downing for Art Unit 1642 whose telephone number is 571-272-0521

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Siew can be reached on 571-272-0787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Lei Yao, Ph.D. Examiner Art Unit 1642

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SHEELA HUFF PRIMARY EXAMINER

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TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules File REFERENCE: 18617.0058
CURRENT APPLICATION NUMBER: US/10/055,4128
CURRENT APPLICATION NUMBER: US/09/193,562
PRIOR PILING DATE: 1998-11-17
PRIOR PILING DATE: 1998-11-17
PRIOR PILING DATE: 1997-11-17
NUMBER OF SEQ ID NOS: 47
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Best Local Similarity 99.6%; Pred. No. 0;
Matches 939; Conservative 2; Mismatches
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ORGANISM: Homo sapiens
US-10-055-412B-32
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APPLICANT: Magainin Pharmaceuticals, Inc.
ATITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
TITLE OF INVENTION: Disorders
ITLE OF INVENTION: DISOrders
TILE OF INVENTION NUMBER: US/09/623,624
CURRENT FILING DATE: 1999-03-03
PRIOR FILING DATE: 1999-03-03
PRIOR PLILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,410
PRIOR APPLICATION NUMBER: US 08/697,411
PRIOR APPLICATION NUMBER: US 08/697,471
PRIOR PELING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/702,105
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Matches 939; Conservative 2; Mismatches 2;
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Patent No. 6576434
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ORGANISM: Homo sapiens
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TITLE OF INVERTION: Asthma-Associated Factors as Targets for Treating
TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
TITLE OF INVENTION: Alpha-Associated Factors as Targets for Treating
TITLE OF INVENTION: Disorder
FILE REFERENCE: 36870-5073-00
CURRENT APPLICATION NUMBER: US/10/270,595
CURRENT PAPLICATION NUMBER: US/09/623,624
PRIOR APPLICATION NUMBER: US/09/623,624
PRIOR APPLICATION NUMBER: CT/US99/04703
PRIOR FILING DATE: 1999-03-03
PRIOR FILING DATE: 1999-03-03
PRIOR APPLICATION NUMBER: US 08/697,419
                                                    GDDKLLGNCLPTVLSSGSTIHSIALGSSAAPNLEELSRLTGGLKFFVPDISNSNSMIDAF
MFMOSLSSVVEPCNASTHNQRAPNLQNOMCSLR8AWDVITDSADFHHSFPMNGTELPPPP
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Patent No. 6716603
GENERAL INFORMATION:
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240 120 120 180 240 MFMOSLSSVVEPCNASTHNOBAPNLONOMCSLRSAMDVITDSADFHHSFPMGTELPPPP 300 300 360 360 420 420 480 480 540 540 9 600 9 9 9 99 720 720 PRIOR FILING DATE. 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,471
PRIOR FILING DATE: 1996-08-23
PRIOR PELING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,473
PRIOR PELING DATE: 1996-08-23
PRIOR PELING DATE: 1996-08-23
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PATENTIN Ver. 2.0 61 IKEMITBASFYLENATKRRVFFRNIKILIPATWKANNNSKİKQESYEKANVIVTDWYRAH GDDPYTLQYRGCGKEGKYIHFTPNFLLNDNLTAGYGŚRGRVFVHEWAHLRWGVFDEYNND PENONLISN SYEKANVIVTDWYGAH KPFYINGQNQIKVTRCSSDITGIFVCEKGFCPQENCIISKLFKBGCTFIYNSTQNATÄSI 181 KPFYINGONQIKVTRCSSDITGIFVÆRGPCÞQENCIISKLFKGCTFIYNSJQSATASI 1815 SRISSGTGDIFQQHIQLESTGENYKPHHQLKNTVTVDNTVGNDTMFLVTWQASGPPEIIL 241 MFMRSLSSVVEFCNASTHINGEAPNLONOMCSLRSAWDVITDSADFHHSFPMNGTELPPPP GONCEPTVESSGSTIHSIALGSSAAPNEBELSRLTGGEKRFVPDISNSNSMIDAF AVPPATVEAFVERDSLHFPHPVMIYANVKQGFYPILNATVTFTVEPETGDPVTLRLLDDG RAQLHQINSMDDRKLLVSYLPTTVSAKTDISICSGJÆKGFEVVEKLNGKAYGSVMILVTS 421 GDDKLLGNCLPTVLSSGSTIHSIALGGSAAPNLBELSRLTGGLKFFVPDISNSNSMIDAF PDPDGRKYYTNNF1TNJ/FRTASLW1PGTAKPGHWTYTLNNTHHSLQALKVTVTSRASNS AVPPATVEAFVERDSLHFPHPVMIYANVKQGPYPILNATVTATVEPETGDPVTLRLLDDG 661 AGADVIKNDGIYSRYFFSFAANGRYSLKVHVNHSPSISTPAHSIPGSHAMYVPGYTANGN Length 943; 1 MTQRSIAGPICNLKFVTLLVALSSELPFLGAGVQLQDNGYNGLLIAINPG Indels 61 IKEMITEASFYLFNATKRRVFFRNIKILIPATWKANNNSKIKQ 4

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